

**24 x 10/100Base-TX PoE + 2 x
Gigabit SFP Combo Ports
Web-Smart Ethernet Switch**

User's Manual

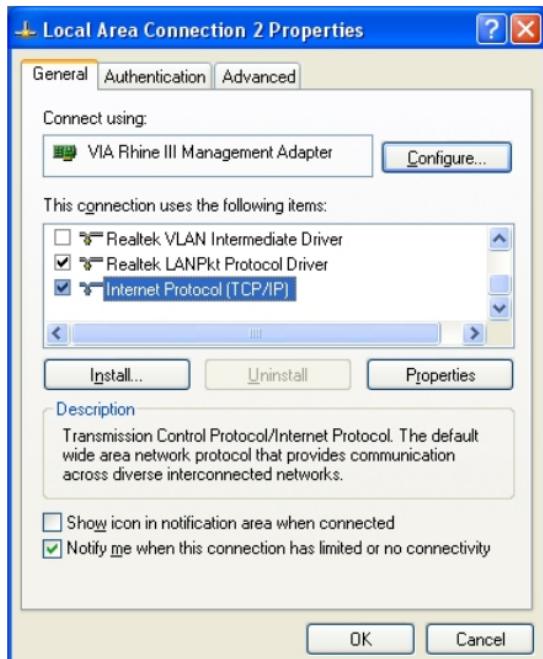
<Note> The ITE is to be connected only to PoE networks without routing to the outside plant.

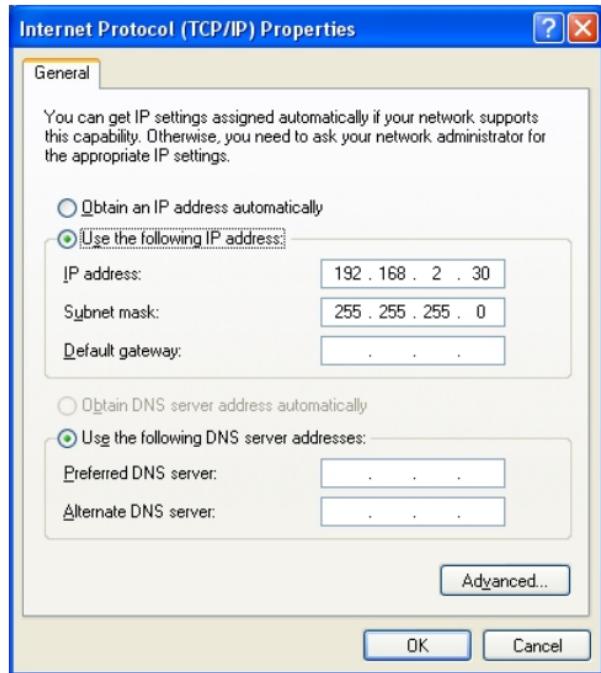
Web Smart Switch Configure

Please follow the steps to configure this Web Smart Switch.

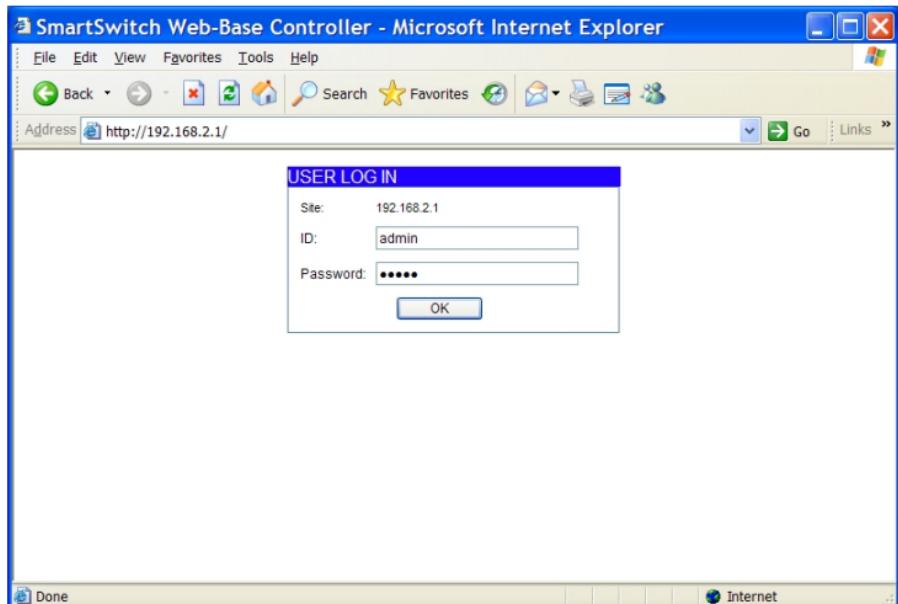
Step 1: Use a twisted pair cable to connect this switch to your PC.

Step 2: Set your PC's IP to 192.168.2.xx.





Step 3: Open the web browser (like IE...), and go to 192.168.2.1 Then you will see the login screen.



ID and the password: admin

Step 4: After the authentication procedure, the home page shows up. Select one of the configurations by clicking the icon.

When you forgot your IP or password, please use the reset button for the factory default setting

Please take the following steps to reset the Web Smart Switch back to the original default:

Step 1: Turn on the Web Smart Switch.

Step 2: Press and hold the reset button continuously for 5 seconds and release the reset button.

Step 3: The switch will reboot for 20 seconds and the configuration of switch will back to the default setting.



The image shows a 'User Login' interface. At the top, a blue header bar displays the text 'User Login'. Below the header, there are three input fields: 'Site:' followed by the IP address '192.168.2.1', 'ID:' followed by the text 'admin' (inside a blue input box), and 'Password:' followed by a series of five black dots (inside a blue input box). At the bottom of the interface is a blue 'OK' button.

Key in the user ID and the password to pass the authentication; the user ID and the password are "admin".

IP: 192.168.2.1

ID: admin

Password: admin

- Administrator
- Port Management
- VLAN Setting

- Per Port Counter
- QoS Setting
- Security
- Trunking
- Backup/Recovery
- Miscellaneous
- Logout

SmartSwitch Web-Base Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://192.168.2.1/> Go Links

24Port 10/100 + 2Port Giga WebSwitch

| | | | | | | | | | | | |
|----|----|---|---|----|----|----|----|----|----|----|----|
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 |
| 25 | 26 | | | | | | | | | | |

24-Port 10/100Mbps Plus 2-Port Gigabit Ethernet Switch

| Advanced Features | Basic Features |
|---|--|
| <ul style="list-style-type: none"> Bandwidth control Port based & Tag based VLAN Statistics Counter Firewall VLAN Uplink L2 ~ L4 Class of Service | <ul style="list-style-type: none"> Embedded HTTP web Management Configuration Backup/Recovery TFTP Firmware upgradeable Secure Management User name/Password security |

Administrator
Port Management
VLAN Setting
Per Port Counter
QoS Setting
Security
Trunking
Backup/Recovery
Miscellaneous
Logout

Done Internet

Administrator: Authentication Configuration

1. Change the user name and the password.
2. Click “Update” to confirm the new change.
3. Turn off the power and reset this switch.
4. After resetting, turn on the switch for the new change.

Now, you can use the new user name and the password.

Administrator: System IP Configuration

SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

System IP Configuration

| Setting | Value |
|--------------|--|
| IP Address | 192.168.2.1 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 192.168.2.254 |
| IP Configure | <input checked="" type="radio"/> Static <input type="radio"/> DHCP |

Update

Administrator

- Authentication Configuration
- System IP Configuration**
- System Status
- Load default setting
- Firmware Update
- Reboot Device

Port Management

VLAN Setting

Per Port Counter

QoS Setting

Security

Trunking

Backup/Recovery

Miscellaneous

Logout

http://192.168.2.1/setIP.htm

Internet

1. Change the IP address: type the new IP address or select DHCP IP configuration.
2. Click “Update” to confirm the new change. “Setting Process OK!!” will be shown on the screen.
3. Turn off the power and reset this switch.
4. After resetting, turn on the switch for the new change.

Now, the setting of “System IP Configuration” is finished.

Administrator: System Status

MAC address and system version will be shown on the screen.

1. Change the new comment of this switch by typing the new comment.
2. Click “Update” to confirm the new change.

Now, the setting of “System Status” is finished.

Administrator: Load Default Setting

SmartSwitch Web-Base Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.168.2.1/ Go Links

24Port 10/100 + 2Port Giga WebSwitch

Load Default Setting

recover switch default setting excluding the IP address,Comment(in System Status),User name and Password

Administrator

- Authentication Configuration
- System IP Configuration
- System Status
- Load default setting**
- Firmware Update
- Reboot Device

Port Management

VLAN Setting

Per Port Counter

QoS Setting

Security

Trunking

Backup/Recovery

Miscellaneous

Logout

2 4 6 8 10 12 14 16 18 20 22 24
1 3 5 7 9 11 13 15 17 19 21 23 25 26

Load

http://192.168.2.1/setDef.htm

Internet

1. Click “Load” to back to the factory default setting.
2. Turn off the power and reset this switch.
3. After resetting, turn on the switch for the new change.

**Note: Recover switch default setting excluding the IP address, User name and Password.

Now, the default is loaded.

Administrator: Firmware Update

The screenshot shows a Microsoft Internet Explorer window with the title "SmartSwitch Web-Based Controller - Microsoft Internet Explorer". The address bar shows the URL "http://192.168.2.1/". The main content area displays a "Firmware Update" form. The form includes fields for "Password" and "ReConfirm", and a "Update" button. Below the form, a "Notice" section contains the text: "After clicking the 'UPDATE' button, IF the firmware update webpage is not redirected correctly or is shown as 'Webpage not found'. Please connect to http://192.168.2.1". On the left, a sidebar menu under "Administrator" shows several options, with "Firmware Update" being the selected item. The top of the page features a 24-port switch interface with numbered ports 1 through 26.

Follow the instruction on the screen to update the new firmware.

Please contact with your sales agents to get the latest firmware information.

Administrator: Reboot Device

The screenshot shows a Microsoft Internet Explorer window with the title "SmartSwitch Web-Based Controller - Microsoft Internet Explorer". The address bar shows the URL "http://192.168.2.1/". The main content area displays a "24Port 10/100 + 2Port Giga WebSwitch" interface. At the top, there is a 4x6 grid of port icons, with the first port (row 1, column 1) highlighted in green. Below the grid, port numbers 1 through 26 are listed. On the left, a sidebar menu under "Administrator" includes "Reboot Device" (which is highlighted in red). The main content area contains the text "Reboot Device: Click 'Confirm' to Reboot the Device" with a "Confirm" button. The status bar at the bottom shows the URL "http://192.168.2.1/resetdevice.htm" and the word "Internet".

1. Click "Confirm" to reboot the device.
Now, the setting of "Reboot Device" is finished.

Port Management: Port Configuration

The screenshot shows the SmartSwitch Web-Base Controller interface in Microsoft Internet Explorer. The title bar reads "SmartSwitch Web-Base Controller - Microsoft Internet Explorer". The left sidebar contains a navigation menu with the following items: Administrator, Port Management (selected), Port Configuration, Port Mirroring, Bandwidth Control, Broadcast Storm Control, POE, VLAN Setting, Per Port Counter, QoS Setting, Security, Trunking, Backup/Recovery, Miscellaneous, and Logout. The main content area is titled "Port Configuration". It features a "Function" table with columns for Tx/Rx Ability, Auto-Negotiation, Speed, Duplex, Pause, Backpressure, and Addr. Learning. Below this is a "Select Port No." table with checkboxes for ports 01 to 26. An "Update" button is located in the center of the configuration area. Below these tables is a "Current Status" table for 17 ports (1-17, 25, 26). The "Current Status" table has columns for Port, Link, Speed, Duplex, FlowCtrl, Tx/Rx Ability, Auto-Nego, Speed, Duplex, Pause, Backpressure, and Addr. Learning. The "Setting Status" table is partially visible to the right of the "Current Status" table. The top of the page shows the address bar with "http://192.168.2.1/PortSet.htm" and the status bar with "http://192.168.2.1/PortSet.htm" and "Internet".

Select the “Port No.” - configure the mode below:

1. “Tx/Rx Ability”: enable/disable Tx/Rx Ability of the port.
2. “Auto-Negotiation”: enable/disable Auto-Negotiation function for the port.
3. “Speed”: select the 10M, 100M, or 1G mode for the port.
4. “Duplex”: select the port is full or half-duplex mode.
5. “Pause”: enable/disable Pause function for the port.
6. “Backpressure”: enable/disable Backpressure

- function for the port.
- 7. “Addr. Learning”: enable/disable Address Learning function for the port.

Port Management: Port Mirroring

SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Home Search Favorites Address <http://192.168.2.1/> Go Links

24Port 10/100 + 2Port Giga WebSwitch

Port Mirroring

| Dest Port | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 14 | <input type="checkbox"/> |
| 15 | <input type="checkbox"/> |
| 16 | <input type="checkbox"/> |
| 17 | <input type="checkbox"/> |
| 18 | <input type="checkbox"/> |
| 19 | <input type="checkbox"/> |
| 20 | <input type="checkbox"/> |
| 21 | <input type="checkbox"/> |
| 22 | <input type="checkbox"/> |
| 23 | <input type="checkbox"/> |
| 24 | <input type="checkbox"/> |
| 25 | <input type="checkbox"/> |
| 26 | <input type="checkbox"/> |

| Source Port | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 14 | <input type="checkbox"/> |
| 15 | <input type="checkbox"/> |
| 16 | <input type="checkbox"/> |
| 17 | <input type="checkbox"/> |
| 18 | <input type="checkbox"/> |
| 19 | <input type="checkbox"/> |
| 20 | <input type="checkbox"/> |
| 21 | <input type="checkbox"/> |
| 22 | <input type="checkbox"/> |
| 23 | <input type="checkbox"/> |
| 24 | <input type="checkbox"/> |
| 25 | <input type="checkbox"/> |
| 26 | <input type="checkbox"/> |

Monitored Packets

Source Port

Update

Multi to Multi Sniffer function

Port Mirroring is used to mirror traffic, Rx, Tx, or Tx & Rx, from Source port to Destination port for analysis.

1. Select the Destination port: by clicking the checking box of the port.
2. Select the Source port: by clicking the checking box of the port.
3. Click “Update” to save the setting.

Now, the setting of “Port Mirroring” is finished.

Port Management: Bandwidth Control

SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Go Links

Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

Bandwidth Control

Administrator

Port Management

- Port Configuration
- Port Mirroring
- Bandwidth Control**
- Broadcast Storm Control
- POE

VLAN Setting

Per Port Counter

QoS Setting

Security

Trunking

Backup/Recovery

Miscellaneous

Logout

Port No. Tx Rate Rx Rate

01 (0-255) (0:Full Speed) (0-255) (0:Full Speed)

Speed Base: Low (Actual Tx/Rx bandwidth=Rate value x 32 kbps. The rate value is 1-255.)

High (Actual Tx/Rx bandwidth=Rate value x 256Kbps. The rate value is 1-255. When link speed is 10MB. The rate value is 1-39. (2)The bandwidth resolution is 2048Kbps for port 25, port 26. Actual Tx/Rx bandwidth=Rate value x 2048Kbps. The rate value is 1-255. When link speed is 10MB. The rate value is 1-4. When link speed is 100MB. The rate value is 1-48.)

Update LoadDefault

If the link speed of selected port is lower than the rate that you setting, this system will use the value of link speed as your setting rate.

| Port No. | Tx Rate | Rx Rate | Link Speed | Port No. | Tx Rate | Rx Rate | Link Speed |
|----------|------------|------------|------------|----------|------------|------------|------------|
| 1 | Full Speed | Full Speed | 100M | 14 | Full Speed | Full Speed | --- |
| 2 | Full Speed | Full Speed | --- | 15 | Full Speed | Full Speed | --- |
| 3 | Full Speed | Full Speed | --- | 16 | Full Speed | Full Speed | --- |
| 4 | Full Speed | Full Speed | --- | 17 | Full Speed | Full Speed | --- |
| 5 | Full Speed | Full Speed | --- | 18 | Full Speed | Full Speed | --- |
| 6 | Full Speed | Full Speed | --- | 19 | Full Speed | Full Speed | --- |
| 7 | Full Speed | Full Speed | --- | 20 | Full Speed | Full Speed | --- |
| 8 | Full Speed | Full Speed | --- | 21 | Full Speed | Full Speed | --- |
| 9 | Full Speed | Full Speed | --- | 22 | Full Speed | Full Speed | --- |
| 10 | Full Speed | Full Speed | --- | 23 | Full Speed | Full Speed | --- |
| 11 | Full Speed | Full Speed | --- | 24 | Full Speed | Full Speed | --- |

1. Select the “Port No.”: you can choose port 1 to port 26.
2. “Tx Rate”: set the transmission rate of the selected port. (0: Full speed; 1~255: Specified bandwidth.)
3. “Rx Rate”: set the receiving rate of the selected port. (0: Full speed; 1~255: Specified bandwidth.)
4. “Resolution”: Low: 32kbps for port 1 ~ port 24 / High: 256kbps for port 1 ~ port 24, 2048kbps for port 25 ~ port 26.
5. Click “Update” to confirm the setting or “LoadDefault”.

Now, the setting of “Bandwidth Control” is finished.

Port Management: Broadcast Storm Control

The screenshot shows a Microsoft Internet Explorer window for the SmartSwitch Web-Based Controller. The URL is <http://192.168.2.1/>. The main content is titled "Broadcast Storm Control". On the left, a sidebar menu includes "Administrator", "Port Management" (with "Broadcast Storm Control" highlighted in red), "VLAN Setting", "Per Port Counter", "QoS Setting", "Security", "Trunking", "Backup/Recovery", "Miscellaneous", and "Logout". The main panel shows a 24-port switch interface with ports 1-24 and two additional ports labeled 25 and 26. Below the interface is a table for "Broadcast Storm Control". The table has a header row for "Threshold" (with a dropdown menu showing "63" and "1-63") and a header row for "Enable Port" (with numbered cells 1-13 and 14-26). The table body contains a 2x13 grid of checkboxes. The "Update" button is located at the bottom right of the table. A note below the table states: "This value indicates the number of broadcast packet which is allowed to enter each port in one time unit. One time unit is 50us for Gigabit speed, 500 us for 100Mbps speed and 5000us for 10Mbps speed". Another note below that says: "Note: This effect may be not significant for long broadcast packet, since the broadcast packet count passing through the switch in a time unit is probably less than the specified number."

1. “Threshold” - Set the threshold from 1~63.
2. “Enable Port” - per port to define the status of broadcast packets.
3. Click “Update” to confirm the setting.

Now, the setting of “Broadcast Storm Control” is finished.

Port Management: POE

SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Go Links

Address http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

POE Configuration

| Port | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Enable | <input checked="" type="checkbox"/> |
| PSE Current | No Load |
| Minimum Output Power | --- | --- | --- | --- | --- | --- | --- | --- |
| POE Class | --- | --- | --- | --- | --- | --- | --- | --- |
| Port | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Enable | <input checked="" type="checkbox"/> |
| PSE Current | No Load |
| Minimum Output Power | --- | --- | --- | --- | --- | --- | --- | --- |
| POE Class | --- | --- | --- | --- | --- | --- | --- | --- |
| Port | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| Enable | <input checked="" type="checkbox"/> |
| PSE Current | No Load |
| Minimum Output Power | --- | --- | --- | --- | --- | --- | --- | --- |
| POE Class | --- | --- | --- | --- | --- | --- | --- | --- |

Update

Update: Update the power control function.
Enable Power On
Enable Power Off

http://192.168.2.1/POE.htm

Remote access and monitor the attached PD (Powered Device) status by using Enable/Disable function.

1. “Enable”: POE of the port is able to supply power to the attached PD (Powered Device).
2. “PSE Current & Minimum Output Power”: The status of the port current and minimum output power.
3. “POE class”: each POE port will detect the class of the attached PD (Powered Device).
4. Click “Update” to confirm and finish the setting.

Now, the setting of “POE” is finished.

VLAN Setting: VLAN Member (Port Based VLAN)

The screenshot shows the SmartSwitch Web-Based Controller interface in Microsoft Internet Explorer. The title bar reads "SmartSwitch Web-Based Controller - Microsoft Internet Explorer". The address bar shows "http://192.168.2.1/". The main content area displays a "VLAN Member Setting (Port Based)" page for a "24Port 10/100 + 2Port Giga WebSwitch".

The left sidebar menu includes:

- Administrator
- Port Management
- VLAN Setting
 - VLAN Member
 - Multi to 1 Setting
- Per Port Counter
- QoS Setting
- Security
- Trunking
- Backup/Recovery
- Miscellaneous
- Logout

The "VLAN Member Setting (Port Based)" page has two tables:

- Port** table:

| Port | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 |
|-----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Dest PORT | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 |
| select | <input checked="" type="checkbox"/> |
- VLAN MEMBER** table:

| Port | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | v | v | v | v | v | v | v | v | v | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | |
| 2 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 3 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 4 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 6 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 7 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 8 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 9 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 10 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 11 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 12 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 13 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 14 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 15 | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v | v |

You can select a port group.

1. Click the port numbers: which you want to put them into the selected VLAN group.
2. Click "Update" to confirm and finish the setting.
3. Click "LoadDefault" to back to the original factory setting.

Now, the setting of "VLAN Member" is finished.

VLAN Setting: Multi to 1 Setting

The screenshot shows the SmartSwitch Web-Base Controller interface in Microsoft Internet Explorer. The left sidebar contains navigation links: Administrator, Port Management, VLAN Setting (selected), VLAN Member, Multi to 1 Setting, Per Port Counter, QoS Setting, Security, Trunking, Backup/Recovery, Miscellaneous, and Logout. The main content area displays a 24-port Giga WebSwitch with port numbers 1-24. Port 1 is highlighted in green. A table titled 'Multi to 1 Setting' shows the current port mapping. The 'Destination PortNo.' dropdown is set to '01'. The 'Current Setting' table shows that port 22 is mapped to port 01, and ports 01, 02, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 are disabled. A note below the table states: "Note: 'Disabled port' defines the switch physical port which is disabled." An 'Update' button is present. Below the table, a note says: "1. A example for Multi-to-1 structure". A diagram shows a central 'Destination Port/Current Setting' circle (labeled 22) with arrows pointing to four other circles labeled 01, 02, 24, and a colon. To the right, a table maps these ports to VLAN Groups: 01 to 1, 02 to 2, and 24 to 24. Below this, a note says: "2. The original setting of the VLAN Group will be cleared and replaced by this special structure if you enable this function. On the other hand, if you set the VLAN Group again, this special structure will be cleared and replaced by your newest setting." The bottom status bar shows the URL http://192.168.2.1/VLANFTTH.htm and the Internet connection status.

This is a special design for easily setting the switch VLAN into “VLAN Per Port”.

1. Choose “Destination Port No”.
2. Choose “Disable Port” - choose the port which you don’t want to use.
3. Click “Update” to confirm and finish the setting.

After this setting, all ports can only connect to the destination port.

Per Port Counter: Port Counter

The screenshot shows a Microsoft Internet Explorer window for the SmartSwitch Web-Based Controller. The URL is <http://192.168.2.1/>. The main content is a table titled "Counter Category" showing port counters for a "24Port 10/100 + 2Port Giga WebSwitch". The table has two columns: "Port" and "Transmit Packet | Receive Packet". The "Port" column lists ports 01 through 24. The "Transmit Packet" column shows values: 55897 for port 01, 0 for others. The "Receive Packet" column shows values: 93497 for port 01, 0 for others. The table includes a "Counter Mode Selection" dropdown set to "Transmit Packet & Receive Packet" and an "Update" button. The left sidebar shows navigation links: Administrator, Port Management, VLAN Setting, Per Port Counter (selected), QoS Setting, Security, Trunking, Backup/Recovery, Miscellaneous, and Logout.

| Port | Transmit Packet Receive Packet |
|------|----------------------------------|
| 01 | 55897 93497 |
| 02 | 0 0 |
| 03 | 0 0 |
| 04 | 0 0 |
| 05 | 0 0 |
| 06 | 0 0 |
| 07 | 0 0 |
| 08 | 0 0 |
| 09 | 0 0 |
| 10 | 0 0 |
| 11 | 0 0 |
| 12 | 0 0 |
| 13 | 0 0 |
| 14 | 0 0 |
| 15 | 0 0 |
| 16 | 0 0 |
| 17 | 0 0 |
| 18 | 0 0 |
| 19 | 0 0 |
| 20 | 0 0 |
| 21 | 0 0 |
| 22 | 0 0 |
| 23 | 0 0 |
| 24 | 0 0 |

You can read the transmitting and receiving packet of the connecting port.
Click "Refresh" or "Clear" the data.

QoS Setting: Priority Mode

The screenshot shows the SmartSwitch Web-Base Controller interface in Microsoft Internet Explorer. The title bar reads "SmartSwitch Web-Base Controller - Microsoft Internet Explorer". The menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains icons for Back, Forward, Stop, Refresh, Home, Search, Favorites, and other network-related functions. The address bar shows the URL "http://192.168.2.1/". The main content area displays a "24Port 10/100 + 2Port Giga WebSwitch" device. A priority queue diagram shows 26 ports (1-24 and 25-26) with port 1 highlighted in green. Below the diagram is a table for "Priority Mode" configuration. The table has two rows: "Mode" and "Priority Mode". The "Mode" row contains three radio buttons: "First-In-First-Out" (selected), "All-High-before-Low", and "Weight-Round-Robin". The "Priority Mode" row contains "Low weight" (set to 0) and "High weight" (set to 0) with dropdown menus. A "Update" button is at the bottom of the table. A note below the table states: "Note: When the queue weight is set to '0', it will be treated as '8'. The 'low weight' and 'high weight' means the ratio of the packet in the transmit queue. For example, if 'low weight' and 'high weight' are set to '3' and '5', the ratio of the transmit packet for the low priority to high priority is 3/5." The left sidebar contains a navigation menu with links for Administrator, Port Management, VLAN Setting, Per Port Counter, QoS Setting (Priority Mode selected), Security, Trunking, Backup/Recovery, Miscellaneous, and Logout.

There are three Priority Modes to select.

1. “First-In-First-Out”: the first receiving packet will be firstly transmitted.
2. “All-High-before-Low”: packets set in high priority mode will be firstly transmitted before packets set in low priority mode.
3. “Weight-Round-Robin”: set the ratio of the transmitting packet for the low priority to high priority.
4. Click “Update” to confirm and finish the setting.

QoS Setting: Port, 802.1p, IP/DS based

SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

Class of Service Configuration

=Enable High Priority

| Port No./Mode | Port Base | VLAN Tag | IP / DS | Port No./Mode | Port Base | VLAN Tag | IP / DS |
|---------------|--------------------------|--------------------------|--------------------------|---------------|--------------------------|--------------------------|--------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 14 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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| 12 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 25 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 26 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Update

As long as any of three COS schemes(802.1p,IP TOS/DS or Port Base) is mapped to "high", the data packet will be treated as the high priority.
VLAN Tag priority: high priority -> 4~7 ; low priority -> 0~3
IPv4 DS and IPv6 TC: high priority -> 10,18,26,34,46,48,56 ; low priority -> others

http://192.168.2.1/QoS.htm

You can set QoS mode of per port by different bases.

1. “Port Base”: you can select the port which you want to configure as high priority. It means the packet of the port will be firstly transmitted.
2. “VLAN Tag”: you can select the port which you want to configure as high priority. It means the packet with special Tag will be firstly transmitted.
3. “IP/DS”: you can select the port which you want to configure as high priority. It means the packets with special IP will be firstly transmitted.
4. Click “Update” to confirm and finish the setting.

Security: MAC Address Binding

SmartSwitch Web-Base Controller - Microsoft Internet Explorer

Address <http://192.168.2.1/> Go Links

24Port 10/100 + 2Port Giga WebSwitch

MAC Address Binding

| Port No. | MAC Address | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Select Port <input type="button" value="01"/> Binding <input type="button" value="Disable"/> <input type="button" value="Update"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Note: If you enable the MAC address binding function, the address leaning function will be disabled automatically.

| Port No. | Binding Status | Port No. | Binding Status |
|----------|----------------|----------|----------------|
| 1 | Disable | 14 | Disable |
| 2 | Disable | 15 | Disable |
| 3 | Disable | 16 | Disable |
| 4 | Disable | 17 | Disable |
| 5 | Disable | 18 | Disable |
| 6 | Disable | 19 | Disable |
| 7 | Disable | 20 | Disable |
| 8 | Disable | 21 | Disable |
| 9 | Disable | 22 | Disable |
| 10 | Disable | 23 | Disable |
| 11 | Disable | 24 | Disable |
| 12 | Disable | 25 | Disable |
| 13 | Disable | 26 | Disable |

Note: The MAC address of current management connection is 00:10:dc:fc:31:02 at port 1.

Set special MAC address to activate on the selected port.

1. Choose “Select Port” – port 1~26.
2. Binding – Enable: allow the packet with the specified source MAC address to enter this port.
3. Click “Update” to confirm and finish the setting.

Now, the setting of “MAC Address Binding” is finished.

Trunk Setting: Link Aggregation Settings

The screenshot shows the SmartSwitch Web-Based Controller interface in Microsoft Internet Explorer. The left sidebar contains navigation links: Administrator, Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Trunking (selected), Link Aggregation Settings (highlighted in red), Backup/Recovery, Miscellaneous, and Logout. The main content area is titled 'Trunking'. It includes a 'System Priority' input (1) and a 'Link Aggregation Algorithm' dropdown (set to 'MAC Src&Dst'). Below these are 'Link Group 1', 'Link Group 2', and 'Link Group 3' tables. Each table has columns for 'Member' (Ports P1-P8, P25-P26), 'State' (Disable, Disable, Disable), 'Type' (LACP, LACP, LACP), 'Operation Key' (1, 2, 3), 'Time Out' (Short Time Out, Short Time Out, Short Time Out), and 'Activity' (Passive, Passive, Passive). A 'Submit' button is at the bottom of the table. A note at the bottom states: 'Note: If you enable LACP on some specified ports and their link partners are normal port without LACP, these specified ports cannot transmit packet to receive packet from the link partner.' The address bar shows the URL as http://192.168.2.1/Trunk.lacp.htm.

There are two groups to choose and each group is 4 ports and the third group is for 2 ports.

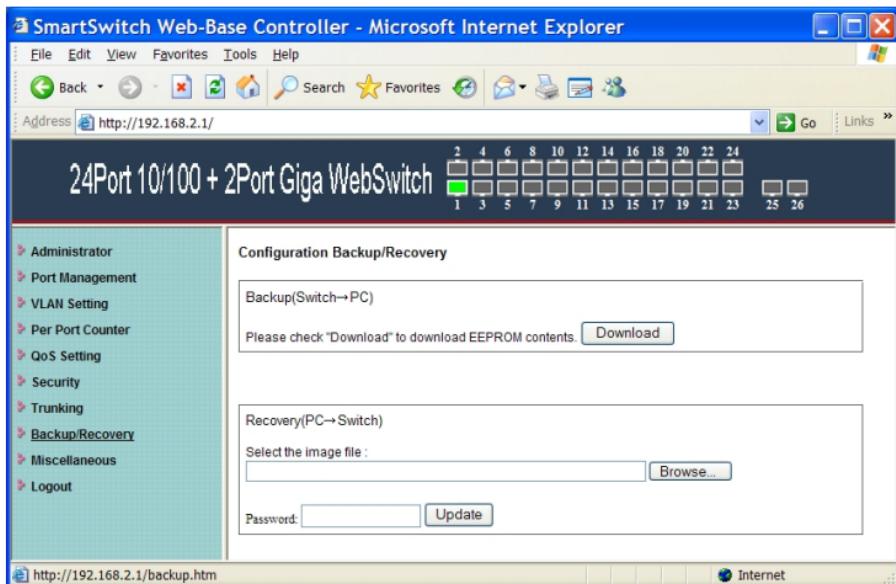
Click “Submit” to confirm and finish the setting.

“State” – Enable / Disable.

“Type” – LACP / Static.

“Activity” – Active / Passive: **Both switches use “LACP” to configure the Trunk, at least one of them should be “Active”.**

Backup/Recovery



SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

2 4 6 8 10 12 14 16 18 20 22 24
1 3 5 7 9 11 13 15 17 19 21 23
25 26

Configuration Backup/Recovery

Backup(Switch→PC)

Please check "Download" to download EEPROM contents.

Recovery(PC→Switch)

Select the image file:

Password:

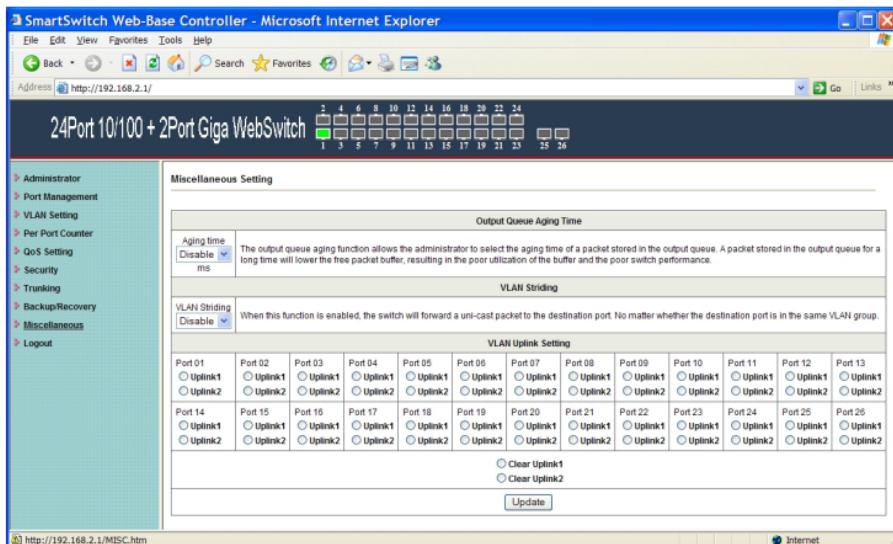
http://192.168.2.1/backup.htm

Follow the instruction on the screen to update the original setting.

“Backup” - Click “Download” to confirm the setting.

“Recovery” – selects a file and key in the password → Click “Update” to confirm the setting.

Miscellaneous



SmartSwitch Web-Based Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Links

Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

Miscellaneous Setting

Output Queue Aging Time

Aging time: Disable ms

The output queue aging function allows the administrator to select the aging time of a packet stored in the output queue. A packet stored in the output queue for a long time will lower the free packet buffer, resulting in the poor utilization of the buffer and the poor switch performance.

VLAN Striding

VLAN Striding: Disable

When this function is enabled, the switch will forward a uni-cast packet to the destination port. No matter whether the destination port is in the same VLAN group.

VLAN Uplink Setting

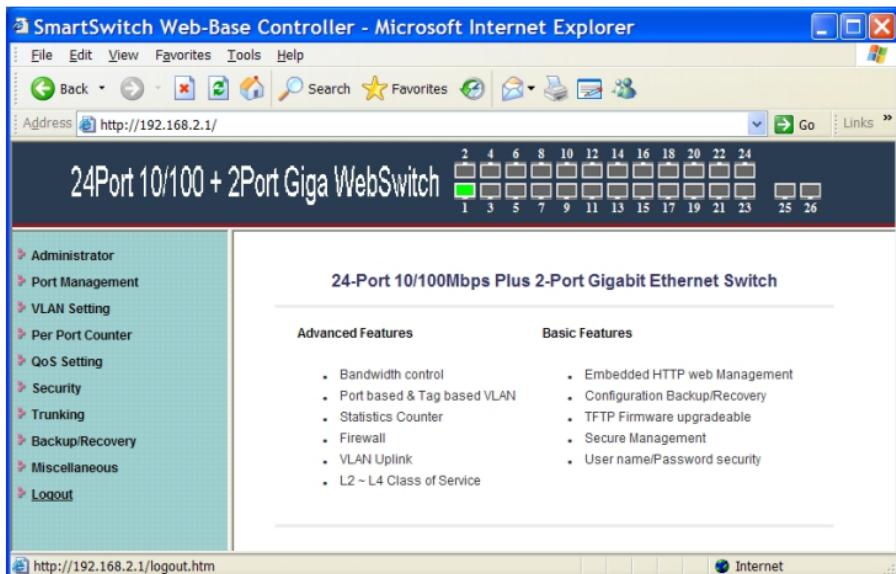
| Port 01 | Port 02 | Port 03 | Port 04 | Port 05 | Port 06 | Port 07 | Port 08 | Port 09 | Port 10 | Port 11 | Port 12 | Port 13 | Port 14 | Port 15 | Port 16 | Port 17 | Port 18 | Port 19 | Port 20 | Port 21 | Port 22 | Port 23 | Port 24 | Port 25 | Port 26 | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <input type="radio"/> Uplink1 <input type="radio"/> Uplink2 |

Clear Uplink1
 Clear Uplink2

Update

1. “Aging Time”: You can set queue aging time into different milliseconds or disable this function.
2. “VLAN Striding”: You can enable/disable this function.
3. “VLAN Uplink Setting” – Set “Uplink1 or Uplink2” or “Clear Uplink1” or “Clear Uplink2”.
4. Click “Update” to confirm and finish the setting.

Logout



SmartSwitch Web-Base Controller - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Go Links

Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

2 4 6 8 10 12 14 16 18 20 22 24
1 3 5 7 9 11 13 15 17 19 21 23
25 26

Administrator
Port Management
VLAN Setting
Per Port Counter
QoS Setting
Security
Trunking
Backup/Recovery
Miscellaneous
[Logout](#)

24-Port 10/100Mbps Plus 2-Port Gigabit Ethernet Switch

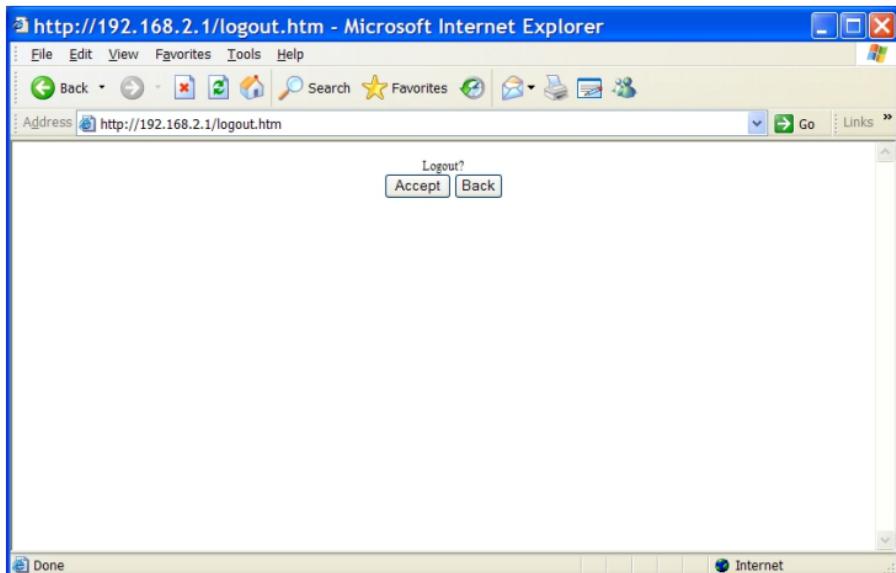
Advanced Features

- Bandwidth control
- Port based & Tag based VLAN
- Statistics Counter
- Firewall
- VLAN Uplink
- L2 ~ L4 Class of Service

Basic Features

- Embedded HTTP web Management
- Configuration Backup/Recovery
- TFTP Firmware upgradeable
- Secure Management
- User name/Password security

http://192.168.2.1/logout.htm



http://192.168.2.1/logout.htm - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Go Links

Address: http://192.168.2.1/logout.htm

Logout?

Done

You can click “Accept” to logout.